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ABSTRACT

MEASUREMENT OF PERFORMANCE OF COMMUNICATIONS SYSTEMS

The subjective quality of an audio-visual stimulus is measured by measuring the
5 actual synchronisation errors 38s between the audio and visual elements (12,22)
of the stimulus, identifying characteristics of audio and visual cues in the stimulus
(31), and generating a measure of subjective quality from said errors and
characteristics. The nature of the cue has an effect on the perceptual significance
of a given value of synchronisation error, and this can be used to relax tolerances
10 to such errors when appropriate, or to provide an accurate measure of the quality
of the signal as it would be perceived by a human subject.

Figure 2

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